

1182 5. {ONCE AMENDED} The product of claim 1, wherein the sizing agent provides the mat with decreased liquid penetrability four weeks after mat production.

6. {ONCE AMENDED} The product of claim 1, further comprising untreated clarifier sludge.

11 7. {ONCE AMENDED} The product of claim 6, wherein the sizing agent is alkenyl succinic anhydride.

8. {ONCE AMENDED} The product of claim 7, wherein the sizing agent has a dry basis add-on rate of from about 0.15% to about 0.4%.

9. {ONCE AMENDED} The product of claim 7, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.

1182 11. {ONCE AMENDED} The product of claim 10, wherein the alkenyl succinic anhydride has a dry basis add-on rate of from about 0.15% to about 0.4%.

12. {ONCE AMENDED} The product of claim 10, wherein the alkenyl succinic anhydride has a dry basis add-on rate of from about 0.2% to about 0.3%.

112 13. {ONCE AMENDED} The product of claim 10, wherein the alkenyl succinic anhydride provides the mat with decreased liquid penetrability four weeks after mat production.

14. {ONCE AMENDED} The product of claim 10, further comprising untreated clarifier sludge.

15. {ONCE AMENDED} The product of claim 14, wherein the sizing agent has a dry basis add-on rate of from about 0.15% to about 0.4%.

16. {ONCE AMENDED} The product of claim 14, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.

26 27. {ONCE AMENDED} The product of claim 26, wherein the sizing agent is alkenyl succinic anhydride.

28. {ONCE AMENDED} The product of claim 26, wherein the sizing agent has a dry basis add-on rate of from about 0.15% to about 0.4%.

29. {ONCE AMENDED} The product of claim 26, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.

23 30. {ONCE AMENDED} The product of claim 26, wherein the sizing agent provides the facer with decreased liquid penetrability four weeks after facer production.

31. {ONCE AMENDED} The product of claim 26, wherein the foam is a polyisocyanurate foam.

32. {ONCE AMENDED} The product of claim 26, wherein at least one of the first facer and the second facer further comprise untreated clarifier sludge.

33. {ONCE AMENDED} The product of claim 32, wherein the sizing agent is alkenyl succinic anhydride.

34. {ONCE AMENDED} The product of claim 32, wherein the sizing agent has a dry basis add-on rate of from about 0.15% to about 0.4%.

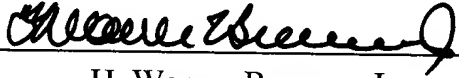
35. {ONCE AMENDED} The product of claim 32, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.

It is respectfully requested that the non-elected claims be retained for use with a possible divisional application.

Attached hereto is a marked-up version of the changes made to the claim(s) by the current amendment. The attached page(s) is captioned "Version With Markings To Show Changes Made."

Respectfully submitted,
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